



Gravity surveys were done by Watkins, J. S. (1964) and by Staub, W. P. and Johnson, V. C. in 1972. Observed gravity values were corrected to mean sea level by using a density of 2.67 gm/cm³. The theoretical gravity on the reference ellipsoid (International Gravity Formula 1930) was subtracted from the corrected observed gravity to obtain the Bouguer gravity at each data point. Terrain and curvature corrections were not included.

Surface geology is based on Rodgers, J. (1953)



CONTOUR INTERVAL 2 MILLIGALS



EXPLANATION

- Gravitational field strength, lines of equal intensity
- Station location
- Knox County Boundary
- Fault
- Syncline
- Anticline
- ? Extent indefinite

BOUGUER GRAVITY MAP OF KNOX COUNTY, TENNESSEE

By
 William P. Staub and Verner C. Johnson
 1973